Regulations and Permitting





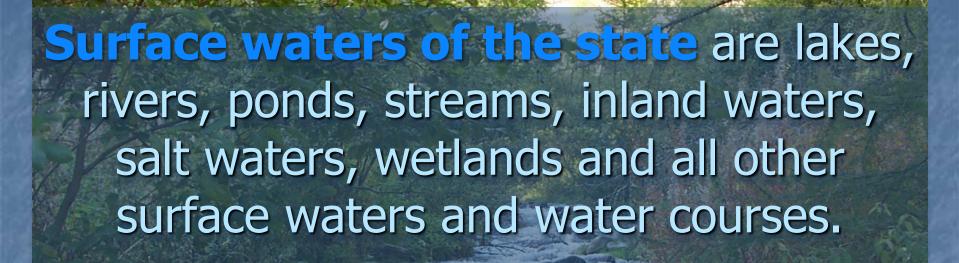
Federal - Clean Water Act

- State NPDES: National Pollutant Discharge Elimination System General Permit for Construction Activities
 - Water Quality Standards
 - TMDL
- Local King County Code Title 9
 Surface Water Design Manual

Non-point Source Discharge

EPA has identified sediment from construction sites as the #1 non-point source pollutant

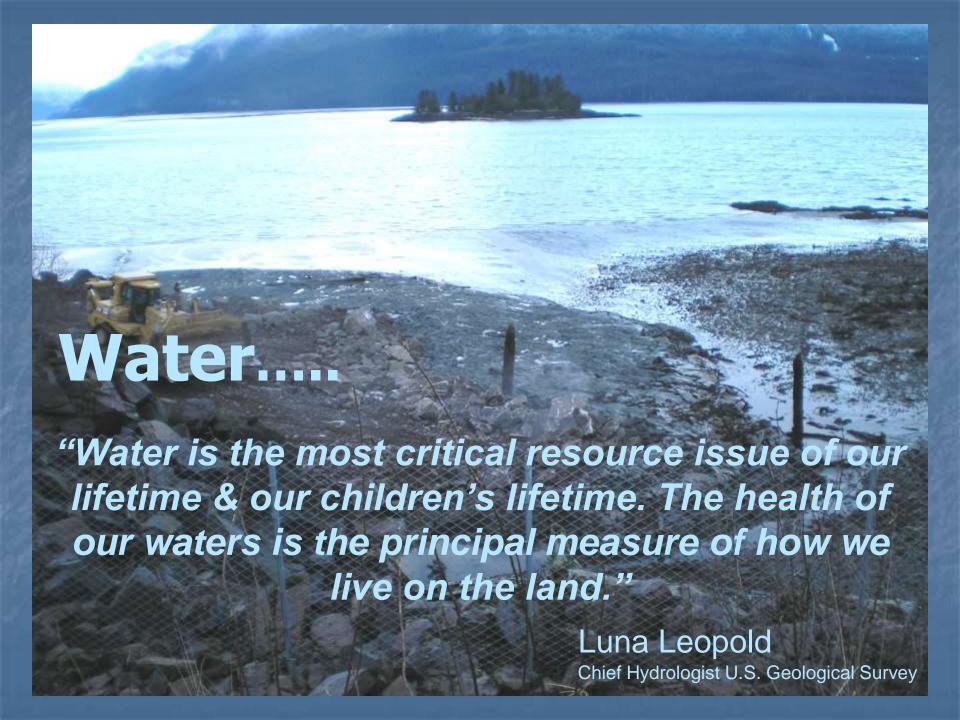
Stormwater is rain and snow melt that runs off surfaces such as rooftops, paved streets, highways, and parking lots. As water runs off these surfaces, it can pick up pollution such as: oil, fertilizers, pesticides, soil, trash, and animal waste. From here, the water might flow directly into a local stream, bay, or lake. Or, it may go into a storm drain and continue through storm pipes until it is released untreated into a local waterway.



USACOE, EPA, Ecology, may consider isolated wetlands, drainage ditches, and irrigation canals waters of the state.

Locally





EPA's Stormwater History

- National stormwater regulations go back to the Refuse Act of 1899
- Public Health Service Act of 1912
- Oil Pollution Act of 1924
- Federal Water Pollution Control Act of 1948
- Amended 1972 and Again in 1977, the federal Clean Water Act was amended to prohibit point-source pollutant discharges into navigable waters without a permit. The NPDES Program was created.
- In 1987 Water Quality Act this was expanded to include stormwater. The Municipal NPDES permit program was created



- **1972** NPDES permitting created (Point Source Dischargers)
- **1987** Stormwater permits for industrial stormwater dischargers and MS4s obtain NPDES permits required
- **1990** Phase I

Cities over 100K

Industries (11 SIC Codes)(MSGP)

Construction over 5 acres

1999 – Phase II

Urban cities

Construction 1-5 acres (3 year permit)

2000 - MSGP Reissued

2003 – Construction 1-5 acres reissued

2008 - MSGP Reissued

- Construction 1-5 acres reissued

2012 – Current 2012 Final EPA Construction General Permit

2016 – Proposed MS4 General Permit Remand Rule

2017 – Construction Permit to be reissued

Ecology State NPDES Program

1995 - Phase I Municipal NPDES Permit Issued

- Construction (1-5 acres) NPDES Permit Issued

2000 - 2007 — Phase I Municipal Permits annually extended

2005 – New construction permit issued

2007 – Phase I Municipal NPDES permit Reissued

-Phase II Municipal NPDES permit (Eastern & Western Washington) issued

2010 - New Construction General Permit issuance

2012 & 2013 – Phase I & Phase II Municipal NPDES Permits Reissued

2010 – New Construction General Permit issuance

2018 – Phase I & Phase II Municipal NPDES Permits Reissued



Other NPDES Permits

(General & Individual) (Wastewater & Stormwater)

- Industrial Permits
- Boatyard Permits
- CAFO Permits
- Sand and Gravel
- Aquatic Pesticide
- Aquatic Mosquito
- Etc.



Washington State Water Quality Programs

- State water quality standards (Surface Water, Ground Water, Sediment)
- TMDL Program 303(d)
- Stormwater Management Manuals for Western & Eastern Washington
- Anti-degradation policy

"The Water Quality Standard"

Chapter 173-201A WAC

Your site discharge cannot raise the background turbidity by 5 NTU or by more than 10% when background is over 50 NTU

King County Construction -Programs

- **Clearing and Grading Permits**
- King County Surface Water Design Manual and Stormwater Pollution Prevention Manual
- King County Code Title 9

KC Surface Water Design Manual

New 2016 Manual!!

Core Requirement 5

ESC Measures ESC Performance Measures Flexible Compliance Roads and Utilities **ESC Plan** Wet Season Construction Critical Areas and Buffers Maintenance Final Stabilization

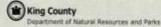
King County, Washington Surface Water Design Manual











Appendix D ESC Standards

- Comprehensive list of ESC controls
- Much the same as W.
 Wash Manual Vol II
 Construction Stormwater
 Pollution Prevention
- Part of KC SWDM
- Become very familiar with

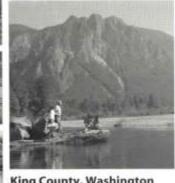
Appendix D

Erosion and Sediment Control Standards







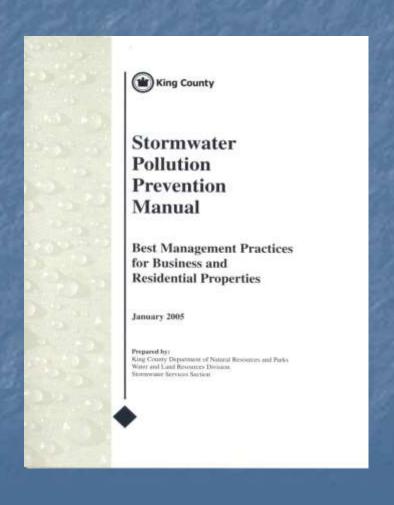


King County, Washington Surface Water Design Manual



Stormwater Pollution Prevention Manual

- Required Source Control BMPs for existing development
- Required for New
 Development if specific
 Activities ID'd
- Required as part of CSWWP





Endangered Species Act





- Decrease Food-Chain Organisms
- Impair Feeding
- Clog Gills
- Reduce Photosynthesis
- Diminished Spawning
- Smothered Eggs and Fry



Be Aware of These Permits & their Requirements:

- §401 Cert/§404Permit
- SEPA
- Critical AreasOrdinances
- Shoreline SDPs
- Grading Permits
- Clearing Permits





Clean Air Act





Water Quality Regulations

Federal:

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- Statewide Planning; Metropolitan Planning Regs. (FHWA &FTA)
- Water Pollution Control Act, Public Law 95-217 (Clean Water Act)
- Water Quality Act of 1987
- Coastal Zone Management Act (CZMA
- Coastal Barrier Resources Act of 1982
- Land and Water Conservation Fund Act Title 16 [Section 6(F)]
- National Historic Preservation Act of 1966 (NHPA), as Amended
- Section 4(f) of the Department of Transportation Act
- Archaeological Resources Protection Act (ARPA)
- Surface Transportation and Uniform Relocation Assistance Act (STURAA) of 1987
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
- Superfund Amendments and Reauthorization Act (SARA)
- Resource Conservation and Recovery Act (RCRA)
- Clean Air Act & Amendments
- Safe Drinking Water Act of 1974
- Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
- Rivers and Harbors Act of 1899
- Ocean Dumping Act
- Uniform Relocation and Real Property Aquisition Policies Act of 1970, as Amended
- Noise Control Act of 1972
- Title VI of the Civil Rights Act of 1964
- Executive Order 11990, Protection of Wetlands, 1977
- Executive Order 11988, Floodplain Management, 1977
- Executive Order 12185, Energy Conservation, 1979
- Executive Order 12898, Environmental Justice, 1994
- Endangered Species Act of 1973, as amended
- Fish and Wildlife Act of 1956
- Fish and Wildlife Coordination Act
- Migration Bird Conservation Act
- Watershed Protection and Flood Prevention Act
- Estuary Protection Act
- Wild and Scenic Rivers Act
- Farmlands Protection Policy Act
- Tribal Treaty

State:

- SEPA
- Washington State Shoreline Management Act
- Governor's Executive Order EO 81-18 (Water Quality Certification)
- Governor's Executive Order EO 89-10, Protection of Wetlands, 1989
- Governor's Executive Order EO 90-04, Protection of Wetlands, 1990
- Governor's Executive Order EO 80-01, Farmlands Preservation, 1980
- Hazardous Waste Management Act
- Waste Reduction Act
- Model Toxics Control Act
- Washington State Growth Management Act
- Washington State Water Pollution Control Act
- Forest Practices Act
- Flood Control Zone Act of 1935
- Surface Mining DNR
- Archaeological Sites and Resources Act
- Indian Graves and Records Act
- Abandoned and Historic Cemetaries Act
- Clean Air Washington Act of 1991
- Commute Trip Reduction Act of 1991

Local:

- Critical Areas Ordinances (Growth Management Act
- Grading Permit
- Clearing Permi
- Building Permit
- Conditional Use Permit
- Water Rights Permit
- Shoreline Substantial Development Permit

When does your project need a Construction NPDES Permit?

If your **construction project** will discharge stormwater into **surface waters** or into storm drainage systems AND:

Disturbs one or more acres of land; OR

Is less than an acre if part of a common plan of development or sale that will disturb an acre or more.



You Do Not Need a Permit If:

- You discharge only to the ground (through infiltration basins, dry wells, drain fields, etc.). You cannot have a point source discharge to surface waters or storm sewer systems that drain to surface waters.
- You are doing routine maintenance.
- You are doing work for a contractor or developer who already has a permit.
- You are on federal or tribal land (except Puyallup Indian Reservation).
- You qualify for an erosivity waiver.

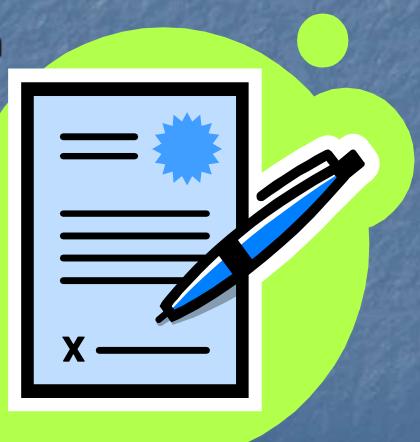
If Your Site Infiltrates all Stormwater

- SWPPP / ESCP / TESC / protects infiltration facilities from sediment contamination
- Groundwater is protected from pollutants other than sediment.
- UIC

So You Need a Permit, Now What?

1. Have you complied with SEPA?

- 2. Who is the operator?
- 3. Apply for the permit,
- 4. File a notice of intent (NOI).
- 5. Publish public notice.
- 6. Develop your SWPPP/ESCP



Oh, by the way...

Regardless of your size, Ecology can require a permit if it deems your project a "significant contributor of pollutants."

Who Is the Operator?

- The operator of the construction site must apply.
- Responsible for complying with permit conditions.
- Has operational control over construction plans and specifications or is in charge of day-to-day activities relating to the SWPPP.
- Can have co-permittees but don't have multiple permits.

Changes from 2010 to 2016 Construction Permit

Ecology reissued the Construction Stormwater General Permit (CSWGP) on November 18, 2015. The new CSWGP went into effect on January 1, 2016. Ecology received one appeal. Although the CSWGP has been appealed, the new permit is current effective January 1, 2016.

All Permittees must reapply per Section G8 of the current permit

Summary of Changes located at:

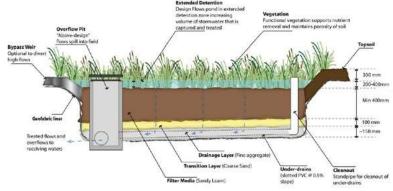
http://www.ecy.wa.gov/programs/wq/stormwater/construction/permitdocs/SummaryOfChange sTable.pdf

- 13 pages Mostly Clarifications
- 1. Must use eNOI
- 2. Notify Ecology of Contaminants
- 3. Exceedances Phone or Electronic Reports (high turbidity w/in 24 hours)
- 4. Noncompliance notification upon becoming aware (w/in 24 hrs, w/in 5 days detailed report)
- 5. Concrete Management

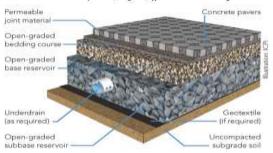
Changes from 2010 to 2016 Construction Permit Low Impact Development

- 1. Permittees must protect all Bioretention and Rain Garden facilities from sedimentation through installation and maintenance of erosion and sediment control BMPs on portions of the site that drain into the Bioretention and/or Rain Garden facilities.
- 2. Restore the facilities to their fully functioning condition if they accumulate sediment during construction. Restoring the facility must include removal of sediment and any sediment-laden Bioretention/Rain Garden soils, and replacing the removed soils with soils meeting the design specification.
- 3. Permittees must maintain the infiltration capabilities of Bioretention and Rain Garden facilities by protecting against compaction by construction equipment and foot traffic. Protect completed lawn and landscaped areas from compaction due to construction equipment.
- 4. Permittees must control erosion and avoid introducing sediment from surrounding land uses onto permeable pavements. Do not allow muddy construction equipment on the base material or pavement. Do not allow sediment-laden runoff onto permeable pavements.
- 5. Permittees must clean permeable pavements fouled with sediments or no longer passing an initial infiltration test using local stormwater manual methodology or the manufacturer's procedures.
- 6. Permittees must keep all heavy equipment off existing soils under LID facilities that have been excavated to final grade to retain the infiltration rate





© Copyright, Healthy Waterways Limited (Construction and Establishment Guidelines V1.1 April 2010; Image 3.1, Typical cross section through a bioretention system)



Changes from 2010 to 2016 Construction Permit Exceedances and Noncompliance

- 1. Applicants must notify Ecology if they are aware of contaminated soils and/or groundwater associated with the construction activity. Provide detailed information with the NOI on the nature and extent of the contamination
- 2. Anytime sampling performed in accordance with Special Condition S4.C indicates turbidity has reached the 250 NTUs or more (or transparency less than or equal to 6 cm) high turbidity reporting level, the Permittee must either call the applicable Ecology Region's Environmental Report Tracking System (ERTS) number by phone within 24 hours of analysis or submit an electronic ERTS report (or submit an electronic report through Ecology's Water Quality Permitting Portal (WQWebPortal).
- 3. In the event the Permittee is unable to comply with any part of the terms and conditions of this permit, and the resulting noncompliance may cause a threat to human health or the environment (such as but not limited to spills of fuels or other materials, catastrophic pond or slope failure, and discharges that violate water quality standards), or exceed numeric effluent limitations (see S8. Discharges to 303(d) or TMDL Waterbodies), the Permittee must, upon becoming aware of the circumstance: Notify Ecology within 24-hours of the failure to comply by calling the applicable Regional office ERTS phone number.
- 4. Submit a detailed report to Ecology within five (5) days, of the time the Permittee becomes aware of the circumstances, unless requested earlier by Ecology. The report must be submitted using Ecology's Water Quality Permitting Portal (WQWebPortal) Permit Submittals, unless a waiver from electronic reporting has been granted according to S5.B.



www.ecy.wa.gov/programs/wq/stormwater/construction



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Aquatic Plants, Algae &

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Stormwater

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Contact Us Permit & Forms Application **High Turbidity** Reporting Noncompliance Notification

Resources and Guidance **CESCL Training & Certification Programs Historical Information**

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WO Assessment/TMDLs

Water Quality > Stormwater > Construction Stormwater General Permit

Construction Stormwater General Permit

Construction site operators are required to be covered by a Construction Stormwater General Permit if they are engaged in clearing, grading, and excavating activities that disturb one or more acres and discharge stormwater to surface waters of the state. Smaller sites may also require coverage if they are part of a larger common plan of development that will ultimately disturb one acre or more. Operators of regulated construction sites are required to:

- 1. Develop stormwater pollution prevention plans.
- 2. Implement sediment, erosion, and pollution prevention control measures.
- 3. Obtain coverage under this permit.

NEW! Ecology reissued the Construction Stormwater General Permit (CSWGP) on November 18, 2015. The new CSWGP went into effect on January 1, 2016. Ecology received one appeal. Although the CSWGP has been appealed, the new permit is current effective January 1, 2016.

All Permittees must reapply per Section G8 of the current permit. Reapplication Instructions and Information

New Permit and Related Documents

- · Final Permit
- · Final Permit (Track Changes Version)
- · Response to Comments
- · Summary of Changes
- · Draft Permit and Related Documents

Permit and Documents

WOWebDMR and PARIS

Contact Us - Contact your Permit Administrator for permit assistance or your Regional Office for site specific questions.

Application and Forms - Permit, application, forms, and appeal information.

High Turbidity Reporting - Construction projects must report high stormwater turbidity results within 24 hours by phone or electronically. If you get a high result, call your Ecology regional office.

Resources and Guidance - DMRs, Stormwater monitoring, manuals, 303(d) list information, CESCL.

Historical Information - Pollution Control Hearing Board information, public comments.

Get Ecology updates about the Construction Stormwater General Permit - Sign up for the Construction Stormwater General Permit email listsery

Questions? Contact Amy Moon at 360-407-6467 or amy.moon@ecy.wa.gov



Reapplications were due July 3, 2015 -Reapply online to maintain permit coverage

Online Application (eNOI) Now Available

Erosivity Waiver Calculator | Fact Sheet

Site Inspection Form

Request for Chemical **Treatment Form**

Sampling Frequently **Asked Questions**

Permit Application Status - Check the status of your application

Stormwater Pollution **Prevention Plan** Template - To use this template, save to your computer

Sign up for the Construction Stormwater General Permit listserv



Ecology home > Water Quality > Construction Stormwater General Permit > Contact Information

Contact Information for the Construction Stormwater General Permit

If you have questions or need assistance with drafting the public notice or completing the applications or other forms, please contact the following:

If your construction site is located in:	Contact the following staff:
City of Seattle, Kitsap, Pierce, or Thurston County	Josh Klimek 360-407-7451 josh.klimek@ecy.wa.gov
Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Skagit, Snohomish, Spokane, Stevens, Walla Walla, Whatcom, or Whitman County	Shawn Hopkins 360-407-6442 shawn.hopkins@ecy.wa.gov
Benton, Chelan, Clallam, Clark, Cowlitz, Douglas, Grays Harbor, Jefferson, Kittitas, Klickitat, Lewis, Mason, Okanogan, Pacific, Skamania, Wahkiakum, or Yakima County	Joyce Smith 360-407-6858 joyce.smith@ecy.wa.gov
Island, King, or San Juan County	Melinda Wilson 360-407-6556 melinda.wilson@ecy.wa.gov

Ecology Regional Contacts

To report a high turbidity reading please contact the following Ecology Regional Offices:

Central Region (509) 575-2490	Okanogan, Chelan, Douglas, Kittitas, Yakima, Klickitat, Benton		
Eastern Region (509) 329-3400	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla, Whitman		
Northwest Region (425) 649-7000	Kitsap, Snohomish, Island, King, San Juan, Skagit, Whatcom		
Southwest Region (360) 407-6300	Grays Harbor, Lewis, Mason, Thurston, Pierce, Clark, Cowlitz, Skamania, Wahkiakum, Clallam, Jeffers Pacific		

Return to Construction Stormwater Page



Ecology home > Water Quality > Construction Stormwater General Permit > Permit and Application

The Permit and Associated Documents

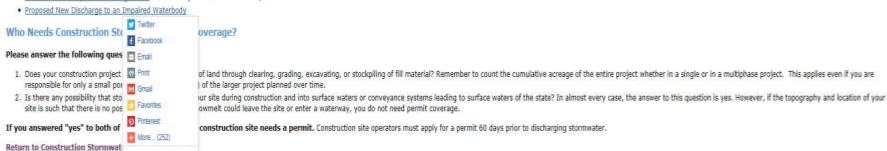
Permit (expired December 31, 2015) Permit (effective January 1, 2016) Permit (track changes version) Response to Comments Summary of Significant Changes Permit Application

It's Time to Reapply

Forms and Guidance Documents

- WQWebDMR Waiver Request Form
- · Sampling Frequently Asked Questions
- Permit Application
- . How to Meet Ecology's Construction Stormwater General Permit Requirements: A Guide for Construction Sites
- . Transfer of Coverage Form for partial or complete permit transfers
- . Termination Form and Instructions for canceling permit. Submit the termination request after the entire site has been stabilized (grass and other landscaping established and all paving complete).
- . Erosivity Walver Form for certain low-risk, 1-5 acre sites | Erosivity Walver Calculator
- · Construction Stormwater Site Inspection Form
- · Request for Chemical Treatment Form to request permission to use chemical treatment
- . Permit Fee Activity Status Change Form to reduce permit fees on inactive/stabilized construction sites

AddThis





NOTICE OF INTENT (NOI) APPLICATION FORM

Construction Stormwater General Permit

Check if applicable: Change/Update Permit Information Modification of Permit Coverage Permit #WAR

Please print or type legibly all sections of this application.

.Operator/Permittee	
Operator: Person who has operational control over plans and specifications and/or h	as
day-to-day operational control of activities which ensure compliance with permit	
conditions.	

Site Owner

Individuals without a UBI, enter none or non-applicable.

Ext.

Zip

(If different than Operator/Permittee)

YOUR NAME YOUR C Company

You Need a SAW Account to access NOI Form

Unified Business Identifier (UBI)

Unified Business Identifier (UBI)

Individuals without a UBI, enter none or non-applicable.

CALL ME DURING THE LIFE OF THIS PERMIT

Mailing Address

PO Box (Optional)

City

Phone No. Business

E-mail (Optional)

Fax No. (Optional)

PO Box (Optional)

Ext.

Zip

Phone No. Business Cell

Cit

E-mail (Optional) Fax No. (Optional)

Mailing Address

PO Box (Optional)

Applicants that discharge to a storm sewer system operated by

the appropriate jurisdiction

Seattle, King County, Snohomish County, Tacoma, Pierce County, or Clark County shall also submit a copy of the NOI to Mailing Address

Mailing Address

PO Box (Optional)



Transfer of Coverage

Construction Stormwater General Permit

This form transfers permit coverage for all, or a portion Permit # WARof a site to one or more new operators.

Type of permit transfer (check one): Partial transfer Complete transfer Specific date that permit responsibility, coverage, and liability, is transferred to new operator: Please see instructions for details on type of transfer. Current Operator/Permittee Information					
For partial transfers: • List total size of project/site remaining under your operational control following transfer: acres. • List total area of soil disturbance remaining under your operational control following transfer: acres. • Submitting this form meets the requirement to submit an updated NOI (General Permit Condition G9)					
Current Operator/Permittee Name: Company:					
Business Phone:	Ext:	Mailing Address:			
Cell Phone:	Fax (optional):				
Email:	-	City:	State:	Zip+4:	
Signature* (see signatory requ	irements in Section VIII):	Title:	•		
			Date:		

New Operator/Permittee Information

I. New Operator/Permittee (Party with operational control over plans and specifications or day-to-day operational control of activities which ensure compliance with Stormwater Pollution Prevention Plan (SWPPP) and permit conditions. Ecology will send correspondence

This project is done and all areas are stabilized. We do not want permit responsibility or need permit coverage any longer.

https://fortress.wa.gov/ecy/publications/documents/ecy02087a.pdf



Transfer of Coverage

Construction Stormwater General Permit

This form transfers permit coverage for all, or a portion Permit # WARof a site to one or more new operators.

	check one):		ete transfer	
	details on type of transfer.	y, is transferred to flew t	operator.	
ricase see instructions for	**	ator/Permittee In	formation	
For partial transfers:	•			
•	t/site remaining under your oper	rational control followi	ng transfer: ac	cres.
	sturbance remaining under you			
•Submitting this form m	eets the requirement to submit a	an updated NOI (Gener	ral Permit Condition G	9)
Current Operator/Permittee Name: Company:				
Current Operator/Permi	ttee Harrie.			
<u> </u>	Ext:	Mailing Addr	ess:	
Business Phone: Cell Phone:			ess:	
Business Phone:	Ext:		ess: State:	Zip+4:
Business Phone: Cell Phone: Email:	Ext:	Mailing Addr		Zip+4:

We have no ownership or responsibility for this project any more and are transferring coverage to these people.

Ī	Ocii i none (Optional).	rax (Optional).	E-mail.		
Ì	Mailing Address:		City: State: Zip + 4:		
Ī	II Property Owner (The narty listed on the County Assessor's records as owner and taynayar of the narcel[s] for which permit coverage				or which permit coverage

https://fortress.wa.gov/ecy/publications/documents/ecy02087a.pdf



Notice of Termination Signature Language

"I certify under penalty of law that all stormwater discharges associated with construction activity from the identified site that are authorized by the National Pollution Discharge Elimination System (NPDES) and State Waste Discharge general permit have been eliminated, or that I am no longer the permittee for this site. I understand that by submitting this Notice of Termination that I am no longer authorized to discharge stormwater associated with construction activity by the general permit, and that discharging pollutants in stormwater to waters of the State of Washington is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this Notice of Termination does not release the permittee from liability for any violations of this permit or the Clean Water Act."

Liability Issues for CESCLs

What you are required to do:

- On-site or on-call 24/7
- Inspection report
- "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief."
- Determine compliance with SWPPP & Permit
- Summary of remedial actions

What you will probably be expected to do:

- Sampling
- Monthly reporting

If so....

- h. A statement that, in the judgment of the person conducting the site inspection, the site is either in compliance or out of compliance with the terms and conditions of the SWPPP and the permit. If the site inspection indicates that the site is out of compliance, the inspection report shall include a summary of the remedial actions required to bring the site back into compliance, as well as a schedule of implementation.
- i. Name, title, and signature of the person conducting site inspection; and the following statement: "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief".

Always sample and report accurately and promptly

"Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two years per violation, or by both."

Compliance with water quality standards shall be presumed, unless discharge monitoring data or other site specific information demonstrates that a discharge causes or contributes to a violation of water quality standards, when the Permittee is:

- 1. In full compliance with all permit conditions, including planning, sampling, monitoring, reporting, and recordkeeping conditions; and
- 2. Fully implementing stormwater BMPs contained in stormwater management manuals published or approved by Ecology, or BMPs that are demonstrably equivalent to BMPs contained in stormwater technical manuals published or approved by Ecology, including the proper selection, implementation, and maintenance of all applicable and appropriate BMPs for on-site pollution control.

Feeling Overloaded? NPDES ESA Permit BMP'S TMDL's 303d Clean Air Act Lets Take a Break